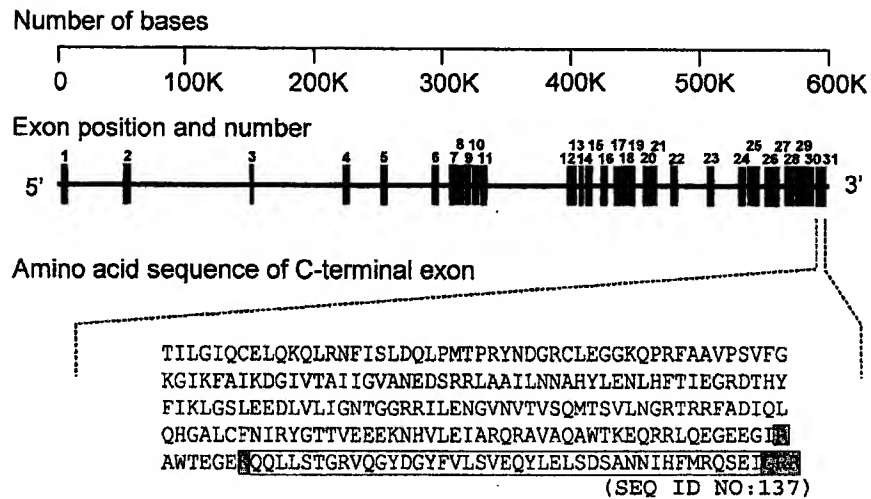


FIGURE 6B



Mammalian TCAP Sequences

Accession Numbers

human TCAP 1	Q L L STGR Q Q D YFVLSVE YL S SAN I H M S I I N C	nm_014253 (SEQ. ID. NO. 69)
human TCAP 2	Q L L STGR Q Q E YVLPVE YP A SSS I Q L N M I	xm_047995 (SEQ. ID. NO. 78)
human TCAP 3	Q L L SAGK Q Q D YVLSVE YP A SAN I Q L S I I	ak001336 (SEQ. ID. NO. 85)
human TCAP 4	Q V L STGR Q Q D FVVISVE YP S SAN I H M S M I	ak056531 (SEQ. ID. NO. 94)
mouse TCAP 1	Q L L GTGR Q Q D YFVLSVE YL S SAN I H M S I I	nm_011855 (SEQ. ID. NO. 37)
mouse TCAP 2	Q L L STGR Q Q E YVLPVE YP A SSS I Q L N M I	nm_011856 (SEQ. ID. NO. 46)
mouse TCAP 3	Q L L SAGK Q Q D YVLSVE YP A SAN I Q L S I I	nm_011857 (SEQ. ID. NO. 53)
mouse TCAP 4	Q V L NTGR Q Q D FVVISVE YP S SAN I H M S M I	ab025413 (SEQ. ID. NO. 66)
Rat TCAP 2	Q L L STGR Q Q E YVLPVE YP A SSS I Q L N M I	nm_020088 (SEQ. ID. NO. 78)

Avian TCAP Sequences

chicken TCAP 1	Q L L NTGR Q Q D YFVLSVE YL S SAN I H M S I I NH2	aj238613 (SEQ. ID. NO. 101)
chicken TCAP 2	Q L L NTGR Q Q E YVLPVE YP A SSS I Q L N M I	aj279031 (SEQ. ID. NO. 136)

Piscine TCAP Sequences

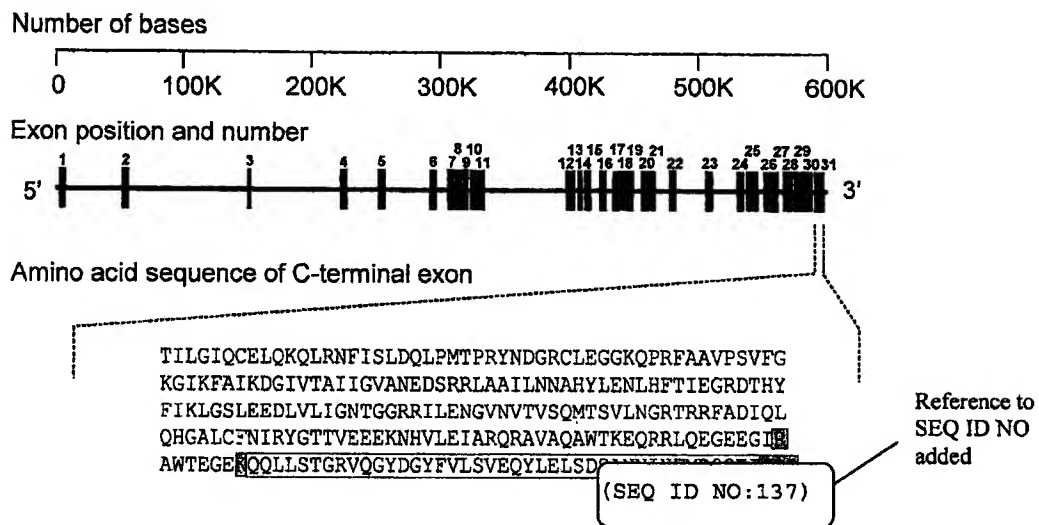
Rainbow trout TCAP 3	QLSSGRKLLDYYVLSIEYPASANIQLSII	not entered Yet (SEQ.ID.NO.13)
zebrafish TCAP 3	QLSSGKLLDYYVLSVEYPASANVQLSII	nm_130968 (SEQ.ID.NO.21)
zebrafish TCAP 4	QLSSGRQLEFYIVSVDFTNINVHMTM	ab026980 (SEQ.ID.NO.30)
Insect Drosopholia	ELVQHGDVDGWNGLDIHSIHYPQLADOPGNVAFQDAK	(SEQ.ID.NO.103)

FIGURE 7A

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m/odd Oz1	<i>M. musculus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	37	100	
Teneurin-1	<i>G. gallus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	138	97	97
Odd (odd Oz1/ten-m1)/tenascin M	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	69	97	97
Mouse DOC4-like protein	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M. musculus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	93	85	95
Hypothetical protein/ DKFZ564O0423.1 (fragment)	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M. musculus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	53	80	90
Putative (AK011924)	<i>M. musculus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	53	80	90
N/A	<i>R. trout</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	13	80	90
Ten-m3	<i>D. rerio</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	21	75	90
Neurexin alpha	<i>R. norvegicus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	77	70	90
Teneurin-2	<i>G. gallus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M. musculus</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFZp761F171.1 (fragment)	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	77	70	90
Hypothetical protein	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	77	70	90
Odd Oz/ten-m2	<i>H. sapiens</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	77	70	90
Ten-m4	<i>D. rerio</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D. melanogaster</i>	QLLTGRVQGYGVFLSVEQYLELSDSANNIHFMQSEI	103	30	60

FIGURE 7B

FIGURE 6B



Mammalian TCAP Sequences

human TCAP 1
human TCAP 2
human TCAP 3
human TCAP 4

Q L STGR Q D YFVLSVE YL S SAN I H M S I -
Q L STGR Q E YVLPVE YP A SSS I Q L N M -
Q L SAGK Q D YVLSVE YP A SAN I Q L S I -
Q V STGR Q D F F V I S V E Y P S S A N I H M S M -

Accession Numbers

nm_014253 (SEQ. ID. NO. 69)
xm_047995 (SEQ. ID. NO. 78)
ak001336 (SEQ. ID. NO. 85)
ak056531 (SEQ. ID. NO. 94)

mouse TCAP 1
mouse TCAP 2
mouse TCAP 3
mouse TCAP 4

Q L STGR Q D YFVLSVE YL S SAN I H M S I -
Q L STGR Q E YVLPVE YP A SSS I Q L N M -
Q L SAGK Q D YVLSVE YP A SAN I Q L S I -
Q V NTGR Q D F F V T S V E Y P S S A N I H M S M -

nm_011855 (SEQ. ID. NO. 37)
nm_011856 (SEQ. ID. NO. 46)
nm_011857 (SEQ. ID. NO. 53)
ab025413 (SEQ. ID. NO. 66)

Typographical
error corrected
"96" replaced
with "46"

Rat TCAP 2

Q L STGR Q E YVLPVE YP A SSS I Q L N M -

nm_020088 (SEQ. ID. NO. 78)

Avian TCAP Sequences

chicken TCAP 1
chicken TCAP 2

Q L NTGR Q D YFVLSVE YL S SAN I H M S I - NH2
Q L NTGR Q E YVLPVE YP A SSS I Q L N M -

aj238613 (SEQ. ID. NO. 101)
aj279031 (SEQ. ID. NO. 136)

Piscine TCAP Sequences

Rainbow trout TCAP 3

L SGRK L D YVLSIE YP A SAN I Q L S I - not entered Yet (SEQ. ID. NO. 13)

zebrafish TCAP 3
zebrafish TCAP 4
Insect Drosopholia

nm_130968 (SEQ. ID. NO. 21)
ab026980 (SEQ. ID. NO. 30)
(SEQ. ID. NO. 103)

Q L SSGK L D YVLSVE YP A SAN V Q L S I -
Q L SSGR Q E F Y I V S V D F P T N I N V H W T M -
ELVQHGVDVGNWNG1DIHSIHKYPQLADOPGNVAFQDRAK

FIGURE 7A

Column Added



Appl. No. 10/510,959
Amdt. Dated May 7, 2009
Reply to Office Action of November 7, 2008
Annotated Sheet Showing Changes

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Oz1	<i>M musculus</i>	QLLGTRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G gallus</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	138	97	97
Oddz (odd Oz1/ten-m1) / tenascin M	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M musculus</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ DKEZp56400423.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M musculus</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	53	80	90
Putative (AK011924)	<i>M musculus</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	53	80	90
N/A	<i>R trout</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	13	80	90
Ten-m3	<i>D rerio</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	21	75	90
Neurestin alpha	<i>R norvegicus</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	77	70	90
Teneurin-2	<i>G gallus</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M musculus</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKEZp761F171.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	77	70	90
Hypothetical protein	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2	<i>H sapiens</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m4	<i>D rerio</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D melanogaster</i>	QLLTGRVQGYGVFLSVVEQYLELSDSANNIHFMRQSEI	103	30	60

FIGURE 7B